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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Wangh, Lawrence J.

SERIAL NUMBER: 09/226,766

EXAMINER: Crouch, Deborah

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Commissioner of Patents  
Washington, D.C. 20231

AMENDMENT AND RESPONSE

In response to the Office Action mailed on August 23, 2002, please amend the application as follows.

In the claims:

Cancel claims 87-141. Add new claims 157-163.

157. A method for reprogramming a non-dividing nucleus, comprising contacting said nucleus with a cytotstatic factor-containing cytoplasm of a cell in meiotic metaphase II, wherein said nucleus is reprogrammed to undergo nuclear swelling, nucleic acid replication, and entry into mitosis.

158. The method of claim 157, further comprising contacting said nucleus with an activating egg cytoplasm.

159. The method of claim 158, wherein said activating egg cytoplasm is at a time in the cell cycle prior to cell cycle S-phase.

160. The method of claim 157, wherein said nucleus is reprogrammed to undergo DNA replication.